

**CONFIDENTIAL**

EXS-59-73

14 August 1973

MEMORANDUM FOR: Mr. Charles G. Stefan  
Director, Office of Soviet and Eastern  
European Exchanges  
Department of State

ATTN : Mr. Raymond Pardon

SUBJECT : Special Physics under the Joint US-USSR Agreement on  
Cooperation in the Fields of Science and Technology

1. The establishment of a Joint US-USSR Institute of Theoretical Physics to work on outstanding physics problems would be unquestionably potentially useful and constructive. However, it is conceivable that information of strategic value could be gained by the Soviets as a result. Some of the calculations on such esoteric topics as rotating black holes have some similarity to the hydrodynamic, radiation flow, and rotation effects calculations associated with nuclear weapons design. Computational techniques in these areas could prove useful to the Soviets in their nuclear weapons program. As long as participating US scientists are sensitive to this fact, however, and avoid providing this type of information, there should be no serious problem in establishing the joint institute.

2. Should the joint institute be established, we would urge strongly that the US participants insist that they be allowed to travel and consult with various scientists in the USSR to the same extent that the Soviet participants are permitted to do so in the US.

3. We will be quite interested to see the Soviet proposals in this field or the Soviet reaction to these US proposals.

LOUIS P. RINKUS  
Acting Chairman  
Interagency Intelligence Advisory  
Group on Exchanges

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## USAF POSITION ON COMMUNIST BLOC VISITORS

**Visitors:** Proposal - US/USSR S&T Bilateral, Special Topics in Physics

**Project and Sponsor:**

LGZ	AFSC	FTD	OTHER
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8. USAF also provides the following: The Air Force has no objection to the U.S. proposal as presented; but would ask for the opportunity to review the Soviet's proposal, then comment on both.

Opinion # 50-2 Due 11 Jul 73

Passed to IIAGE 13 July 73

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9 July 1973

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Physical Sciences Branch  
PSD/OSI

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